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USNCCM 7
Sandia National Laboratories
PO Box 5800, MS-0833
Albuquerque, NM 87185

USNCCM 7
SEVENTH U.S. NATIONAL CONGRESS ON
COMPUTATIONAL MECHANICS
JULY 27-31, 2003
www.esc.sandia.gov/usnccm.html

Announcement and Call for Participation

USNCCM 7
SEVENTH U.S. NATIONAL CONGRESS ON COMPUTATIONAL MECHANICS
July 28 – 30, 2003

Pre & Post-Congress Short Courses
July 27 & 31, 2003

Albuquerque Convention Center
Albuquerque, New Mexico

Seventh U.S. National Congress
on Computational Mechanics

Gateway to Computational Mechanics

July 27 - July 31, 2003
Albuquerque, New Mexico
www.esc.sandia.gov/usnccm.html

Biannual Congress of the U.S. Association
for Computational Mechanics,
an affiliate of the
International Association for
Computational Mechanics

USACM

Hosted by

Sandia National Laboratories

BACKGROUND AND SCOPE

From their inception in 1991, the biannual national congresses of the U.S. Association for Computational Mechanics have established themselves as major scientific events, drawing computational scientists worldwide from government, academia and industry. Sandia National Laboratories will host the Seventh U.S. National Congress on Computational Mechanics, USNCCM 7. The Congress will feature the latest developments in all aspects of computational mechanics. From applications in nanotechnology and bioengineering to recent advances in numerical methods and high-performance computing, the technical program will reflect the Congress theme, *"Gateway to Computational Mechanics."* In addition to attending plenary lectures and minisymposia that highlight the latest trends in computational mechanics, participants will have a special opportunity to experience the unique scientific aspects of Sandia National Laboratories through technical interactions with participating research staff. Pre- and post-conference short courses and vendor exhibits are also planned. Detailed information on USNCCM 7 can be found at:

www.esc.sandia.gov/usnccm.html

LOCATION

The USNCCM 7 will be held at the Albuquerque Convention Center in New Mexico, conveniently located within 10 miles of the Albuquerque International Airport.
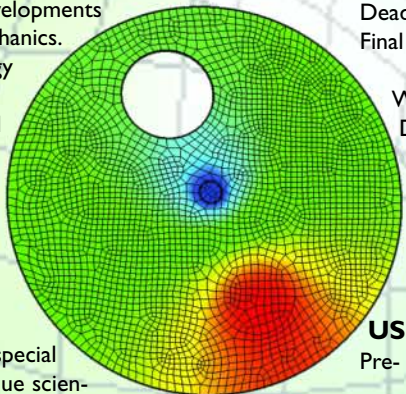
CONGRESS REGISTRATION FEES

	Early (by June 26, 2003)	Late
Participant:	$375	$475
Student:	$100	$130

The participant fee includes one set of printed proceedings, the banquet, the reception, all breaks and a 2-year membership in USACM and IACM ($50 value). The student fee includes one set of printed proceedings, the banquet, the reception and all breaks.

ACCOMMODATION

The organizers have arranged block room reservations at the DoubleTree Hotel (connected to the Convention Center) and at the Hyatt Regency Hotel (located directly across the street from the Convention Center). The special room rates for USNCCM 7 are:

Single Occupancy: $109.00 plus tax
Double Occupancy: $119.00 plus tax

RESERVATIONS (by June 26, 2003):

DoubleTree Hotel: (505) 247-3344
Hyatt Regency Hotel: (505) 842-1234 or (800) 233-1234
Mention: "USACM 2003" for the conference rate.

IMPORTANT DATES

Web site open for minisymposium proposals	May 13, 2002
Deadline for minisymposium proposals	October 1, 2002
Final selection of minisymposia	October 15, 2002
Web site open for abstract submissions	September 1, 2002
Deadline for abstract submissions	January 31, 2003
Final selection of abstracts	March 15, 2003
Deadline for print-ready abstracts	May 31, 2003
Deadline for early registration	June 15, 2003
Cut-off for USNCCM 7 hotel room rates	June 26, 2003

USNCCM 7 Technical Program	**July 28-30, 2003**
Pre- and post-conference short courses	July 27 & 31, 2003

PLENARY LECTURES:

The Congress will feature a limited number of plenary lectures by leading experts. These talks will focus on new directions in Computational Mechanics, and should be of interest to a broad spectrum of Congress participants.

CALL FOR MINISYMPOSIUM PROPOSALS:

A collection of topical minisymposia forms the backbone of the Congress's technical program. A minisymposium consists of one or more technical sessions that focus on a specific topic or research area in Computational Mechanics. The technical sessions provide a flexible format that accommodates keynote lectures, invited papers and contributed papers. Volunteer minisymposium organizers will develop each minisymposium. The organizers are responsible for the technical content of their minisymposium; they select invited participants and review abstracts of contributed papers.

The Technical Program Chairs invite proposals for minisymposia from the Computational Mechanics community. All proposals must be submitted electronically via the Congress web site. There should be at least two organizers for each minisymposium; it is desirable that they represent more than one institution. Please consider including both U.S. and international scientists as organizers, where appropriate. The minisymposium proposal deadline is October 1, 2002. Notification of the final selection of minisymposia will be given no later than October 15, 2002.

MINISYMPOSIUM TOPICS (preliminary list)

Hydrodynamic simulation methods • Biomechanics • Manufacturing process simulation • Meshfree methods • Nanotechnology • Validation and verification • Mechanics of materials • Advances in flow simulation and modeling • Discontinuous Galerkin methods • Turbulence simulation • Contact/impact algorithms • Stabilized and multiscale finite element methods • A-posteriori error estimates and h-p methods • Biofluidics • Multiphysics simulations • Geomechanics and geotechnical engineering • Wave propagation • Optimization • Combustion

CALL FOR TECHNICAL PAPERS

All technical papers, including keynotes as well as invited and contributed papers, will be presented within one of the Congress's minisymposia. One-page abstracts in PDF format are required for all keynotes and papers, whether invited or contributed. These must be submitted to one of the accepted minisymposia for review by the minisymposium organizers. If you cannot find a minisymposium that fits the topic of your paper, please consider organizing one that does.

All abstracts must be submitted electronically using the abstract submission form that will be available on the Congress web site beginning in September 2002. The deadline for abstract submission is January 31, 2003. Authors submitting abstracts of contributed papers will be notified of a decision on acceptance no later than March 15, 2003. Following notice of acceptance, authors may revise their abstracts until May 31, 2003.

Visit the USNCCM 7 website
www.esc.sandia.gov/usnccm.html